

Construction Projects

Project and Lands Committee Meeting December 8, 2010

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Construction Department

Everglades Restoration and Capital Projects Resource Area



Discussion Items

- **Role of Construction Management**
- **Project Workload**
- **Resources**
- **Selected Project Updates**

Role of Construction Management

- Provide management oversight, control and coordination during construction of SFWMD projects
 - Constructability Reviews
 - Pre-Bid Activities
 - Consultant Management
 - Project Documentation, Cost and Schedule Control
 - Contract Modifications and Payments
 - Claims Resolution
 - Project Closeout and Transfer to Operations
 - Community and Stakeholder Involvement
- Ensure taxpayers receive the best value

Project Workload → \$292M!

Includes 45 Projects

- Began 27 new projects in FY10: \$67M
- Added \$15M in 1st Qtr. on FY11 projects
- Completed 24 projects in FY10: \$16M
- Continued construction work from previous years (various large projects valued over \$200M)

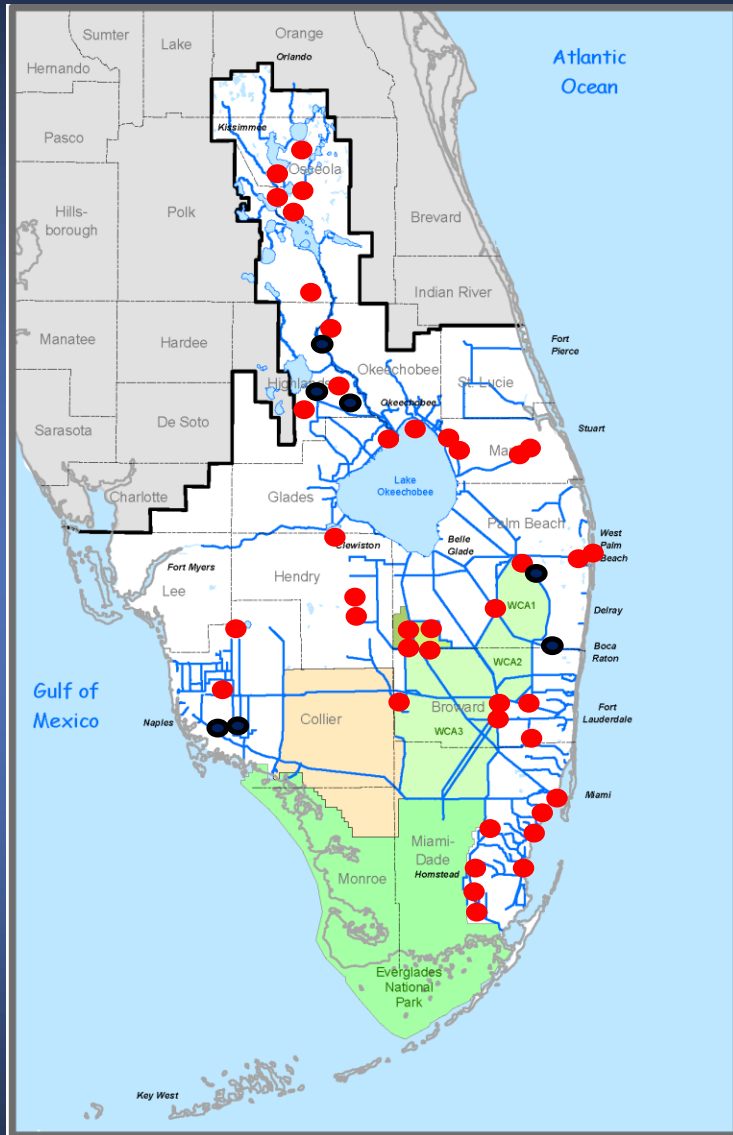
USACE Projects

- District provides oversight on seven USACE projects valued at \$141M
- Future Corps projects (C-44, Faka Union) will require additional oversight
- *Master Agreement between USACE and the SFWMD allows crediting for up to a total of seven FTEs per year for participation with USACE Staff on Project Quality Assurance Teams charged with overseeing quality assurance and quality control during project construction on authorized CERP Projects.*

Resources

- 15 FTE Construction Managers
- 3 FTE Inspectors
- 12 FTE Support Personnel – Estimators, Schedulers and Project Controls, Financial, Documentation, QA/QC and Administrative staff)
- Consultant services for Construction Management, Inspection and Material Testing firms are providing as-needed support

SOUTH FLORIDA WATER MANAGEMENT DISTRICT



Project Locations



USACE

Compartments B Buildout STAs

- North Buildout STA (4,500 ac; 15 mi levees/canals; 12 structures)
- South Buildout STA (3,000 ac; 9 mi levees/canals; 8 structures)



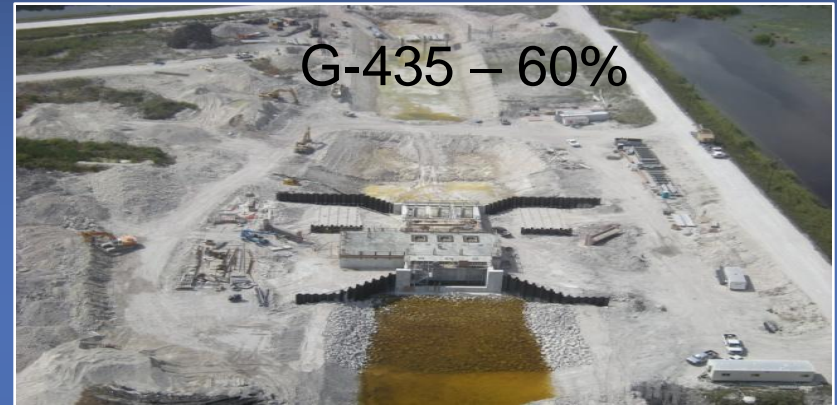
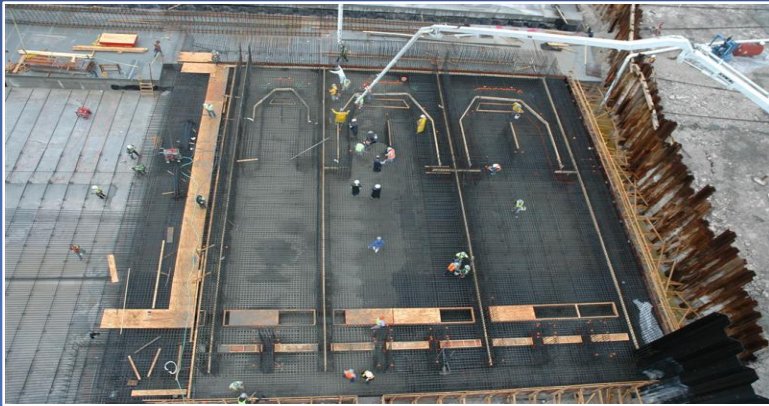
North Buildout 72% Completed



South Buildout 76% Completed

Compartment B Buildout

- Pump Stations G-434 (1,120 cfs); G435 (300 cfs); G-436 (1,610 cfs)
- North New River Canal Bridges to G-434 and G-435



G-435 – 60%



G-434/436 – 46%



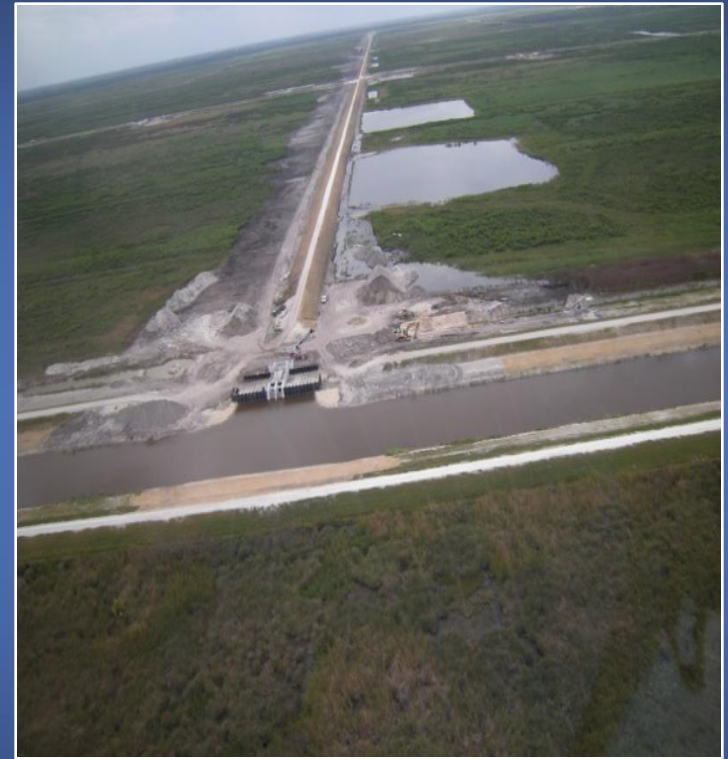
NNRC Bridges – 25%

Compartment C Buildout

- Compartment C STA (6,400 ac; 28 mi levees/canals; 49 structures)
- Pump Station G-508 (1,600 cfs)



G-508 - 53%



STA - 70%

Northern Lake Okeechobee



North STA – 50%

- North STA (925 ac; 3 mi levees/canals; five structures)
- Pump Station S-650 (250 cfs)

Lakeside Ranch



PS S-650 – 15%

Operations and Maintenance

■ Navigational Locks Refurbishment



S-61



S-65A

Operations and Maintenance



GOLDEN GATE 3



S-124 CULVERT

CERP



AEROJET CANAL

- C-111 (Frog Pond Detention Area, Aerojet Canal, Pump Stations S-199/S-200)



CERP

■ Deering Estate Biscayne Bay Coastal Wetlands



QUESTIONS?

